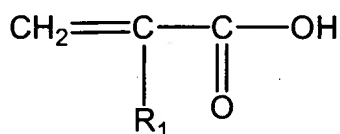


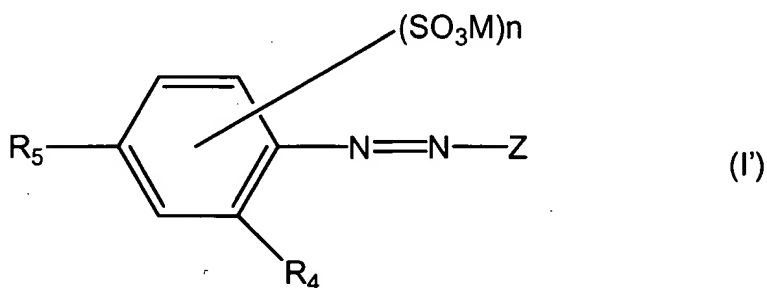
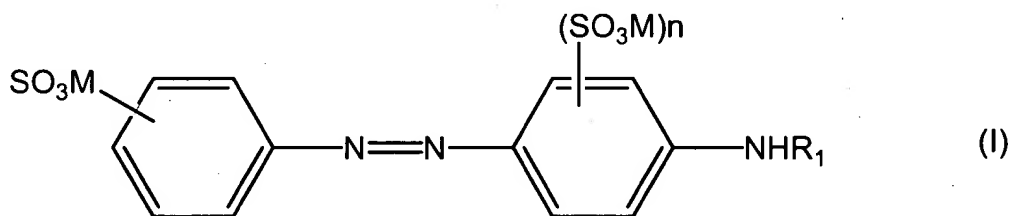
AMENDMENTS TO THE CLAIMS

Claims 1-9. (Cancelled)

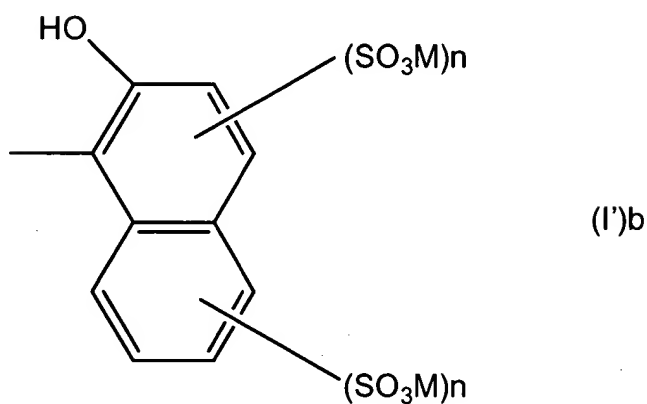
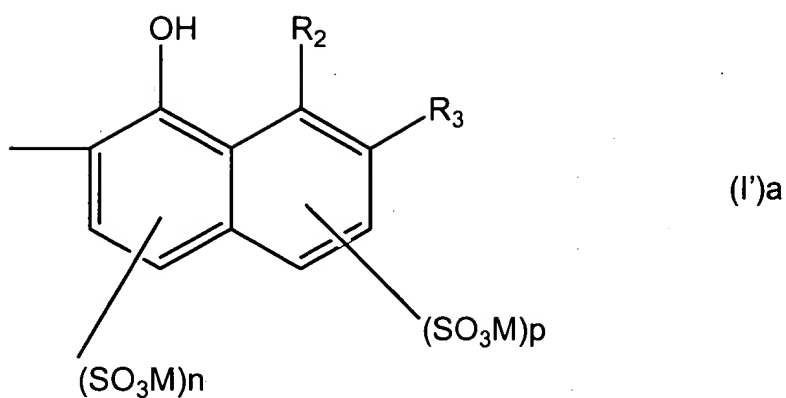
10. (currently amended) ~~A composition according to claim 1,~~ A composition comprising, in a cosmetically acceptable support suitable for dyeing the hair, at least one direct dye and at least one crosslinked polymer containing acrylic residue units of the structure



in which R₁ denotes H, CH₃ or C₂H₅, and C₁₀-C₃₀ alkyl acrylate residue units,
wherein said composition is a direct dyeing composition for the hair, wherein said at least one direct dye is an acid azo dye of formulae (I) or (I'):



In which Z denotes (I')a or (I')b:



in which:

n denotes zero or 1,

p denotes zero, 1 or 2,

M denotes H or an alkali or alkaline-earth counterion, an organic amine which may be hydroxylated or not hydroxylated, or ammonia,

R₁ denotes H, a C₁-C₄ alkyl radical or an cycloalkylaryl radical,

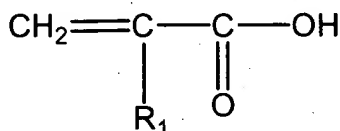
R₂ denotes H, an -NH₂ radical, an -HN-CO-CH₃ radical or an -NHSO₂-phenyl radical,

R₃ denotes H, or a -N=N-(para-nitrophenyl) radical,

R₄ denotes a H, a C₁-C₄ alkyl radical, a C₁-C₄ alkoxy radical, or forms a naphthalenyl ring with the adjacent carbon atom which is unsubstituted of the phenyl group,

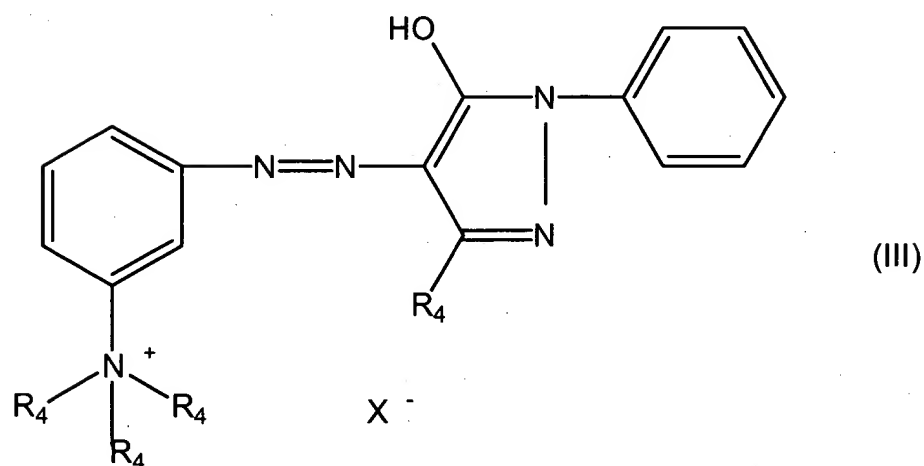
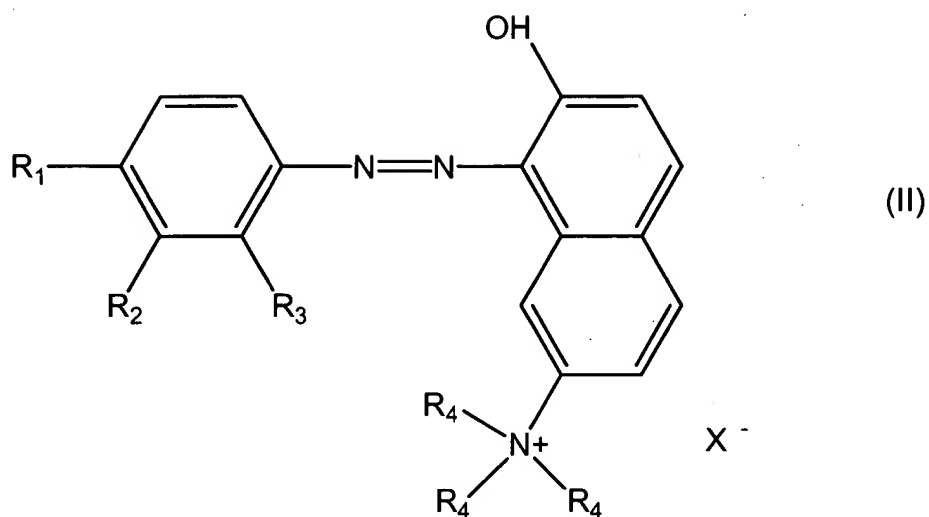
R₅ denotes H, a C₁-C₄ alkyl radical, an -SO₃Na radical, a -NH₂ radical, an -HN-CO-CH₃ radical or an -NO₂ radical, and in which at least one -SO₃M group is present in formulae (I), (I')a and (I')b.

11. **(currently amended)** ~~A composition according to claim 1,~~ A composition comprising, in a cosmetically acceptable support suitable for dyeing the hair, at least one direct dye and at least one crosslinked polymer containing acrylic residue units of the structure



in which R₁ denotes H, CH₃ or C₂H₅, and C₁₀-C₃₀ alkyl acrylate residue units,
wherein said composition is a direct dyeing composition for the hair, wherein said at least one direct dye is a cationic azo dye of formulae (II), (III), (IV), (V), (VI), (VI'), (VII) and their mesomeric forms, wherein

(i) dyes of formulae (II) and (III) are:



in which

R_1 denotes H or an $-NH_2$ radical,

R_2 denotes H or a $-NO_2$ radical,

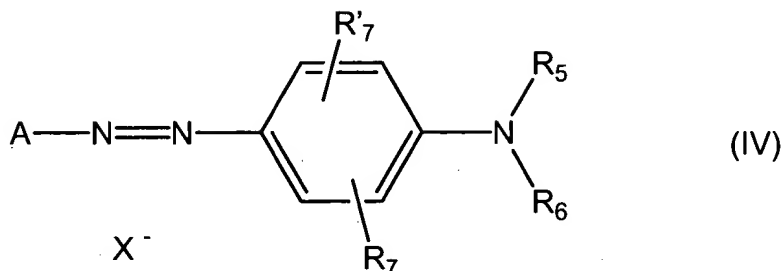
R_3 denotes H or a $-NO_2$ radical or an C_1 - C_4 alkoxy radical,

R_4 denotes a C_1 - C_4 alkyl radical,

X^- denotes an anion chosen from chloride, methyl sulphate and acetate, wherein;

(ii) dyes of formulae (IV), (V), (VI), (VI'), (VII) include:

a) the compounds of formula (IV):



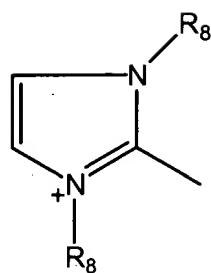
in which:

R_5 and R_6 , which may be identical or different, denote a hydrogen atom, C_1 - C_4 alkyl radicals which can have a substituent chosen from -CN, -OH and - NH_2 radicals, and a 4'-aminophenyl radical, or form, with a carbon atom of the benzene ring, a heterocycle, oxygenated and/or nitrogenated and optionally having at least one substituent chosen from C_1 - C_4 alkyl radicals,

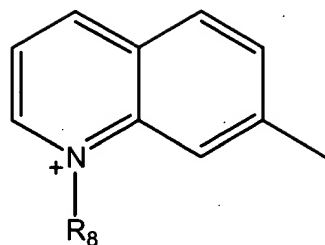
R_7 and R'_7 which may be identical or different, denote a hydrogen atom, a halogen atom chosen from chlorine, bromine, iodine and fluorine, a cyano radical, a C_1 - C_4 alkyl radical, a C_1 - C_4 alkoxy radical, or an acetyloxy radical,

X^- denotes an anion chosen from chloride, methyl sulphate and acetate;

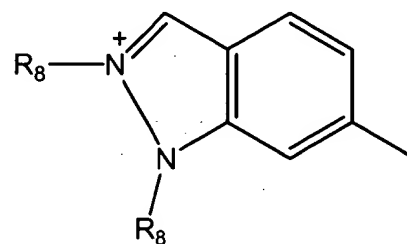
A is a group chosen from structures A_1 to A_{19} :



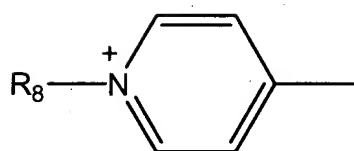
A₁



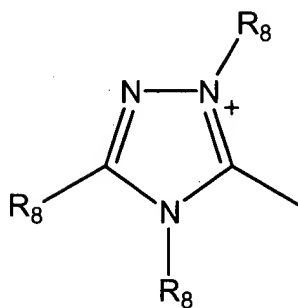
A₂



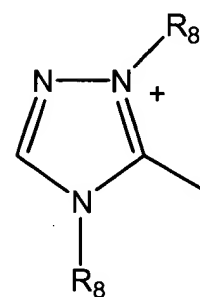
A₃



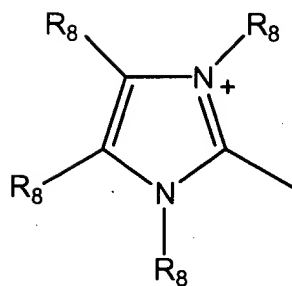
A₄



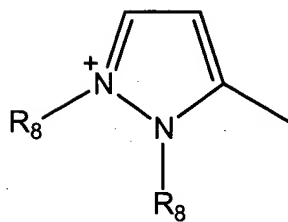
A₅



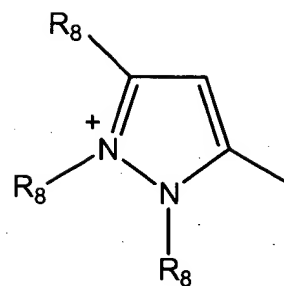
A₆



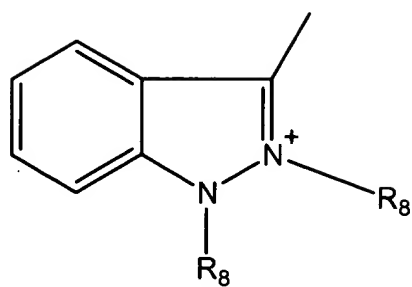
A₇



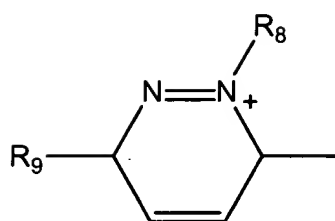
A₈



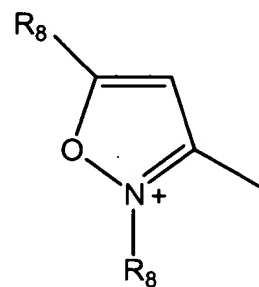
A₉



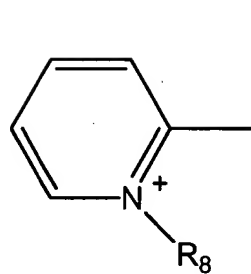
A₁₀



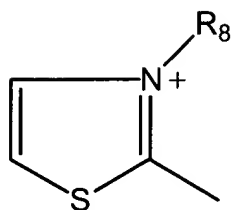
A₁₁



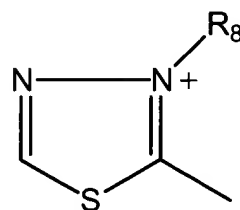
A₁₂



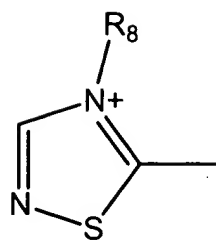
A₁₃



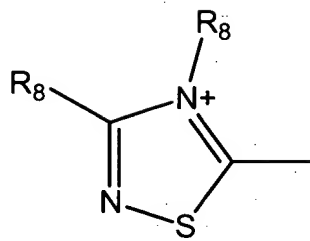
A₁₄



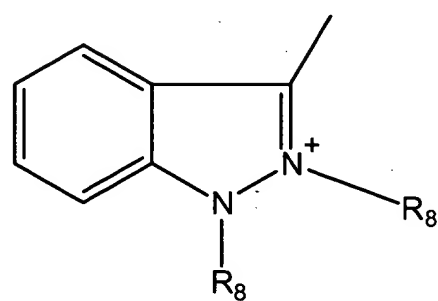
A₁₅



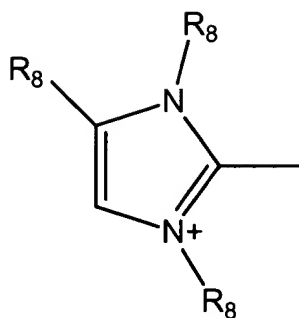
A₁₃



A₁₄



A₁₅



A₁₉

and

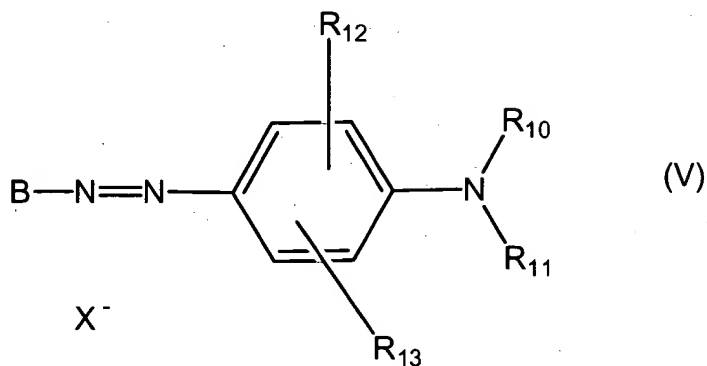
in which,

R₈ denotes a C₁-C₄ alkyl radical which can be substituted with a hydroxyl radical

and

R₉ denotes a C₁-C₄ alkoxy radical,

b) the compounds of formula (V):



in which:

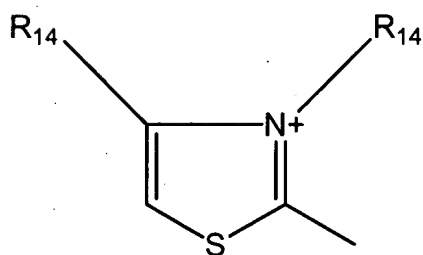
R₁₀ denotes hydrogen or a C₁-C₄ alkyl radical,

R₁₁ denotes hydrogen or a C₁-C₄ alkyl radical optionally having a substituent chosen from a -CN radical, an amino radical, and a 4'-aminophenyl radical, or forms with R₁₀ a heterocycle, oxygenated and/or nitrogenated and optionally having at least one substituent chosen from a C₁-C₄ alkyl radical,

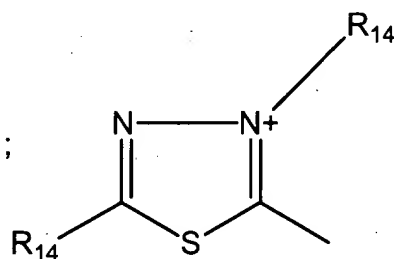
R_{12} and R_{13} , which may be identical or different, denote a hydrogen atom, a halogen atom chosen from bromine, chlorine, iodine or fluorine, a C_1 - C_4 alkyl radical, a C_1 - C_4 alkoxy radical, or a $-CN$ radical,

X^- denotes an anion chosen from chloride, methyl sulphate and acetate;

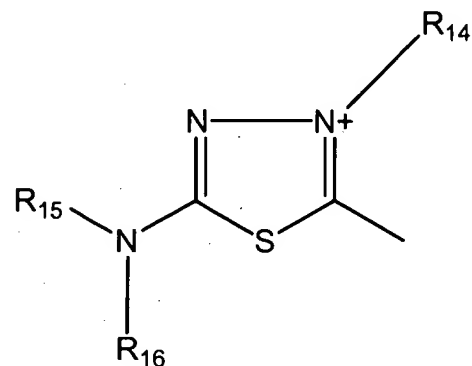
B is a group chosen from structures B1 to B6:



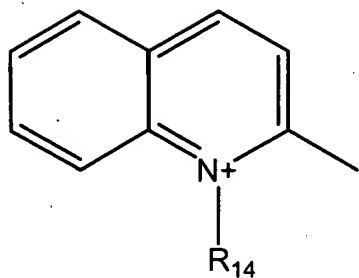
B1



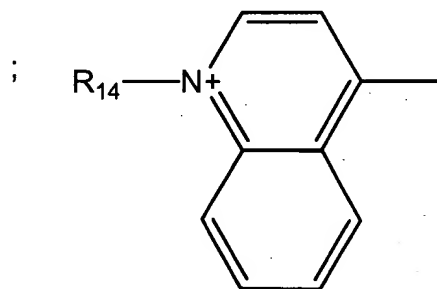
B2



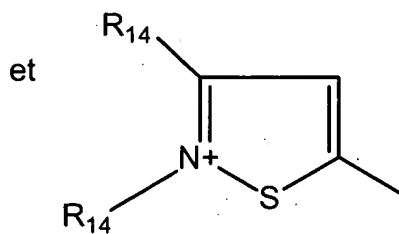
B3



B4



B5



B6

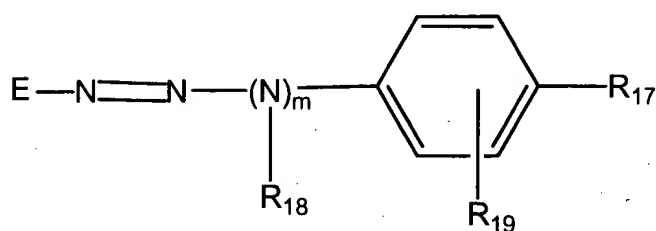
in which,

R_{14} denotes a C_1 - C_4 alkyl radical, and

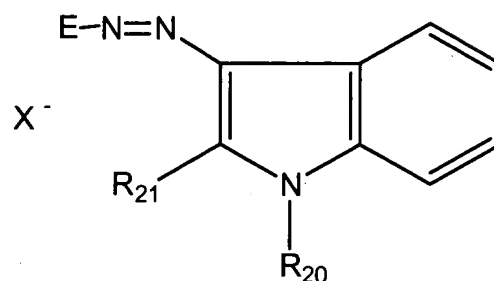
R_{15} and R_{16} , which may be identical or different, denote a hydrogen atom or a C_1 -

C_4 alkyl radical;

c) the compounds of formulae (VI) and (VI'):



(VI)



(VI')

in which:

R_{17} denotes a hydrogen atom, a C_1 - C_4 alkoxy radical, a halogen atom chosen from bromine, chlorine, iodine and fluorine, an unsubstituted amino radical, or a substituted amino radical,

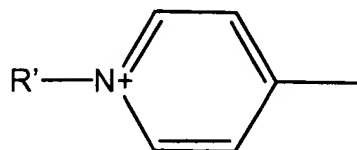
R_{18} denotes a hydrogen atom, a C_1 - C_4 alkyl radical, or forms with a carbon atom of the benzene ring, a heterocycle which is optionally oxygenated and optionally having at least a substituent chosen from a C_1 - C_4 alkyl radical,

R_{19} denotes a hydrogen atom or a halogen atom chosen from bromine, chlorine, iodine and fluorine,

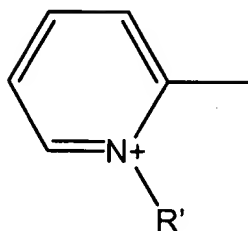
R_{20} and R_{21} , which may be identical or different, denote a hydrogen atom or a C_1 - C_4 alkyl radical,

m is zero or 1,

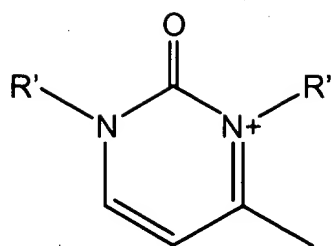
X⁻ denotes an anion chosen from chloride, methyl sulphate and acetate; E is a group chosen from structures E1 to E8:



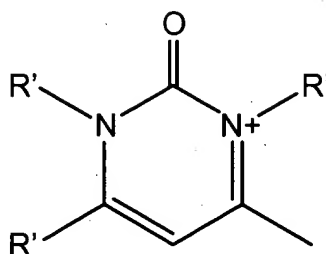
E1



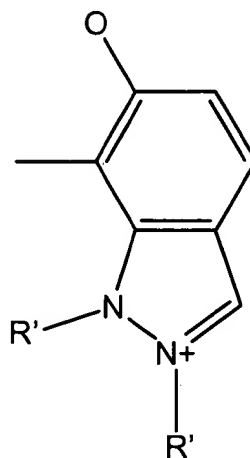
E2



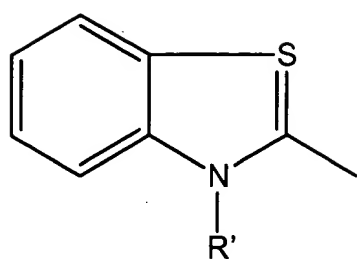
E3



E4

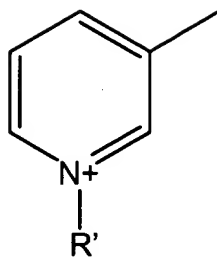


E5



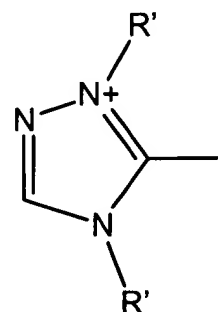
E6

;



E7

and

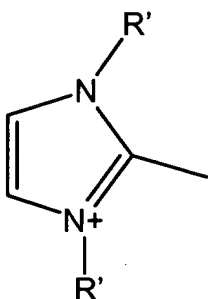


E8

in which

R' denotes a C₁-C₄ alkyl radical,

when m is 0, then E can also be a group of structure E9:

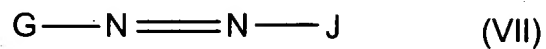


E9

in which,

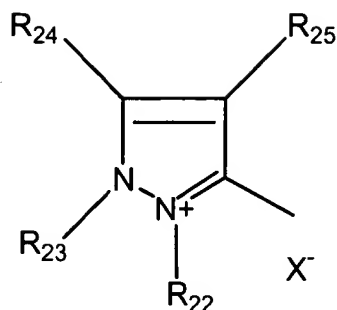
R' denotes a C₁-C₄ alkyl radical,

d) the compounds of formula (VII):

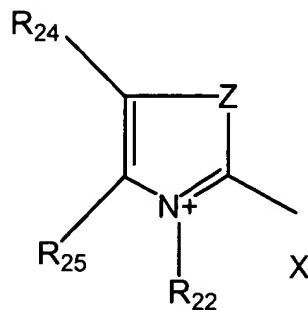


in which,

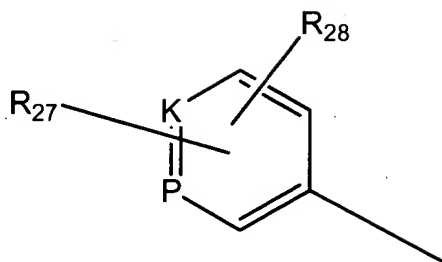
the symbol G represents a group chosen from structures G1 to G3:



G₁



G₂



G₃

in which,

R₂₂ denotes a C₁-C₄ alkyl radical or a phenyl radical optionally having a substituent chosen from a C₁-C₄ alkyl radical and a halogen atom chosen from chlorine, bromine, iodine and fluorine,

R₂₃ denotes a C₁-C₄ alkyl radical or a phenyl radical,

R₂₄ and R₂₅, which may be identical or different, denote a C₁-C₄ alkyl radical or a phenyl radical or, in the case of structure G₁, can together form a benzene ring having at least one substituent chosen from a C₁-C₄ alkyl radical, a C₁-C₄ alkoxy radical and an -NO₂ radical, and in the case of structure G₂, can together form a benzene ring optionally having at least one substituent chosen from a C₁-C₄ alkyl radical, a C₁-C₄ alkoxy radical and an -NO₂ radical, wherein R₂₄ can also denote a hydrogen atom,

Z denotes chosen from an oxygen atom, a sulphur atom or an -NR_{23} radical;

M denotes a -CH radical, a -CR radical wherein R is chosen from a $\text{C}_1\text{-C}_4$ alkyl radical, or an $\text{-NR}_{26}(\text{X}^-)_r$ radical, wherein r is zero or 1,

K denotes a -CH radical, a -CR radical wherein R is chosen from a $\text{C}_1\text{-C}_4$ alkyl radical, or an $\text{-NR}_{26}(\text{X}^-)_r$ radical wherein r is zero or 1,

P denotes a -CH radical, a -CR radical wherein R is chosen from a $\text{C}_1\text{-C}_4$ alkyl radical, or an $\text{-NR}_{26}(\text{X}^-)_r$ radical wherein r is zero or 1,

R_{26} denotes an oxygen atom, a $\text{C}_1\text{-C}_4$ alkoxy radical or a $\text{C}_1\text{-C}_4$ alkyl radical,

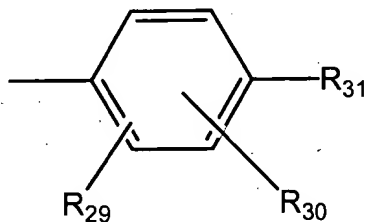
R_{27} and R_{28} , which may be identical or different, denote a hydrogen atom, a halogen atom chosen from chlorine, bromine, iodine and fluorine, a $\text{C}_1\text{-C}_4$ alkyl radical, a $\text{C}_1\text{-C}_4$ alkoxy radical or an -NO_2 radical,

X^- denotes an anion chosen from chloride, iodide, methyl sulphate, ethyl sulphate, acetate and perchlorate, and

wherein at least one of K, M or P denotes $\text{-NR}_{26}(\text{X}^-)_r$,

wherein the symbol J is chosen from:

(a) a group of structure J_1 :



J_1

in which,

R_{29} denotes a hydrogen atom, a-halogen atom chosen from chlorine, bromine, iodine and fluorine, a C_1 - C_4 alkyl radical, a C_1 - C_4 alkoxy radical, a -OH radical, an - NO_2 radical, an - NHR_{32} radical, an - $NR_{33}R_{34}$ radicals, an - $NHCO(C_1-C_4)$ alkyl radical, or forms with R_{30} a 5- or 6-membered ring which may contain at least one hetero atom chosen from nitrogen, oxygen and sulphur,

R_{30} denotes a hydrogen atom, a halogen atom chosen from chlorine, bromine, iodine and fluorine, a C_1 - C_4 alkyl radical, a C_1 - C_4 alkoxy radical, or forms, with R_{31} or R_{32} a 5- or 6-membered ring which may contain at least one hetero atom chosen from nitrogen, oxygen and sulphur,

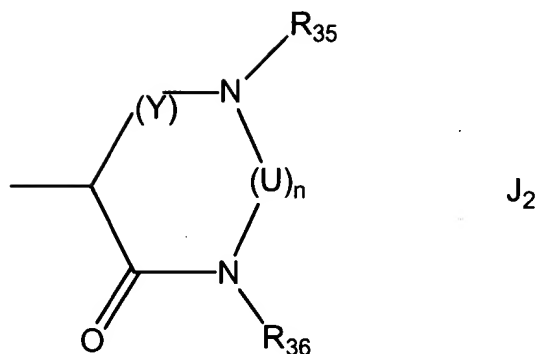
R_{31} denotes a hydrogen atom, an -OH radical, an - NHR_{32} radical or an - $NHR_{33}R_{34}$ radical,

R_{32} denotes a hydrogen atom, a C_1 - C_4 alkyl radical, a C_1 - C_4 monohydroxyalkyl radical, a C_2 - C_4 polyhydroxyalkyl radical or a phenyl radical,

R_{33} and R_{34} , which may be identical or different, denote a C_1 - C_4 alkyl radical, a C_1 - C_4 monohydroxyalkyl radical or a C_2 - C_4 polyhydroxyalkyl radical, and

(b) a 5- or 6-membered nitrogenous heterocyclic group which can contain at least one other hetero atom and/or at least one carbonyl group and which can have at least one substituent chosen from a C_1 - C_4 alkyl radical, an amino radical or a phenyl radical.

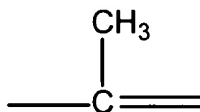
12. (original) A composition according to claim 11, wherein said 5- or 6-membered nitrogenous heterocyclic group is chosen from a group of structure J_2 :



in which,

R_{35} and R_{36} , which may be identical or different, denote a hydrogen atom, a C_1 - C_4 alkyl radical, or a phenyl radical,

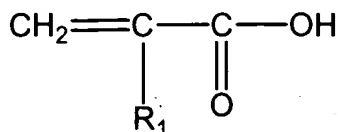
Y denotes a -CO- radical or a radical



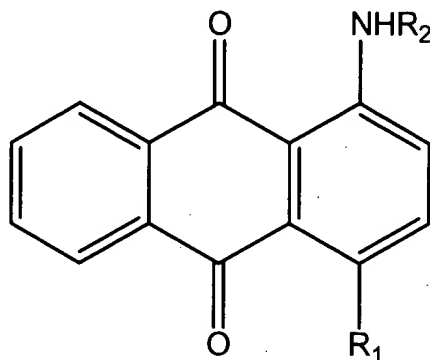
wherein $n = 0$ or 1 , where, when n denotes 1 , U denotes a -CO- radical.

13. (cancelled)

14. (currently amended) A composition according to claim 1, A composition comprising, in a cosmetically acceptable support suitable for dyeing the hair, at least one direct dye and at least one crosslinked polymer containing acrylic residue units of the structure



in which R_1 denotes H, CH_3 or C_2H_5 , and C_{10} - C_{30} alkyl acrylate residue units,
wherein said composition is a direct dyeing composition for the hair, wherein said at
least one direct dye is a cationic anthraquinonic dye of formula (IX):



(IX)

in which:

R_1 denotes a hydrogen atom, a -OH radical, a - NH_2 radical, or a - $NH(C_1-C_4)$ alkyl radical,

R_2 denotes a $-(CH_2)_nNR_3R_4(R_5)_m-$ radical, in which n denotes 1 or 10, m denotes zero or 1, and

R_3 , R_4 , R_5 which may be identical or different, denotes a hydrogen atom or a C_1 - C_4 alkyl radical, and

wherein R_3 and R_4 , with the nitrogenous atom, can form a 5- or 6-membered heterocycle group which can contain at least one other hetero atom chosen from nitrogen, oxygen or sulphur and optionally having at least one substituent chosen from C_1 - C_4 alkyl radicals, amino radicals, and phenyl radicals.

Claims 15-27. (Cancelled)